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BUREAU OF CROP ESTIMATES,
UNITED STATES DEPARTMENT OF AGRICULTURE,
WASHINGTON, D. C.

October 15, 1920.

FOREIGN CROP AND LIVE STOCK REPORTS.

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AGRICULTURAL PROSPECTS IN FOREIGN COUNTRIES.

The general agricultural outlook, may be summarized, so far as the present situation indicates, as one which will in all probability justify the confidence of importing countries.

The 1920 cereal harvest has practically reached its completion in the Northern Hemisphere and the preparation of the soil is now in progress preparatory to the seeding of the fall cereals of 1921. Fragmentary reports received from Europe indicate that in some sections rain is needed to facilitate this work.

In the Southern Hemisphere the harvest will begin next month under very promising prospects. Latest reports for the season 1920-21 dealing with practically all the crop of the Southern Hemisphere show the combined acreage of wheat in Argentina, the Union of South Africa and Australia to be 28,384,000 acres or an increase of 6,283,000 acres over that of last season.

Notwithstanding the completion of the 1920 harvest reports both official and unofficial have been received by this Bureau for only twenty-five foreign countries, as follows: Canada, Argentina, Uruguay, Belgium, Bulgaria, Hungary, Finland, France, Italy, Roumania, Spain, Sweden, Switzerland, British India, Japan, Algeria, Egypt, Tunis, Union of South Africa, Australia, New Zealand, Mexico, Czecho-Slovakia, Guatemala, and Morocco. The lack of official government estimates is principally accounted for by the present unsettled condition of Europe. The above mentioned countries with the exception of Hungary, Czecho-Slovakia, Guatemala and Morocco, when combined with the United States, produce according to the annual average production for the years 1909-1913, about 67 per cent of the so-called wheat crop of the world. This year their total production of wheat with the exception of the four countries, mentioned above when combined with that of the United States is estimated at 2,430,325,000 bushels, as compared with 2,385,870,000 bushels in 1919.

In France the cereal crops of 1920 all showed a decided increase in production over those of 1919 but a noticeable dryness of the soil is making ploughing difficult, rain being needed to facilitate the cultivation of the land for the new crops. The cereal crops of 1920 in Germany have fallen considerably short of that country's requirement and a large supply of breadstuffs will probably have to be imported. In Italy the wheat crop of 1920 shows a decrease of 22,351,000 bushels, when compared with that of 1919. The outlook for an increased area is not at the present time very bright as no rains have been reported. No further information has been received concerning the crops of Russia. In Spain and Hungary the 1920 harvest has turned out smaller than was expected. In Bulgaria the harvest has been very good and a surplus for export will be available.

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WHEAT.

PRODUCTION IN UNDERMENTIONED COUNTRIES, 1909-1920.

(000 omitted).

Country.	Average 1909-1913.	1917.	1918.	1919.	1920.
	<u>Bushels.</u>	<u>Bushels.</u>	<u>Bushels.</u>	<u>Bushels.</u>	<u>Bushels.</u>
United States.	686,691	636,655	921,438	940,987	750,648
Canada	197,119	233,743	189,075	193,260	289,498
Argentina	157,347	80,115	184,000	171,591	214,140
Chile	20,316	22,498	23,120	21,591
Uruguay	7,314	5,390	13,060	6,890	5,416

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FOREIGN CROP AND LIVE STOCK REPORTS,-CONT'D.

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WHEAT,-CONT'D.

PRODUCTION IN UNDERMENTIONED COUNTRIES, 1909-1920.

(000 omitted).

Country.	Average 1. 1909-1913.	1917.	1918.	1919.	1920.
	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.
Guatemala .....	.....	.....	.....	251	312
Austria (2)	61,075 (3)	5,993	(3) 5,159	.....	.....
Hungary (2)	156,523 (4)	115,530	.....	.....	34,393
Belgium	14,583 (4)	8,252	(4) 6,189	9,895	8,799
Ezecho-Slavakia ..	.....	.....	.....	(5) 14,942	(6) 3,728
Bulgaria (2)	43,725	33,294	25,341	(4) 34,575	(4) 44,947
Denmark	4,916	4,296	6,331	5,923	.....
Finland	129	.....	.....	306	276
France (2)	317,254 (7)	134,575	(7) 225,736	182,444	(4) 230,404
Germany (2)	152,119 (8)	81,791	(8) 90,330	(9) 45,804	.....
Greece	7,200	11,505	3,275	9,693	.....
Italy	183,260	139,999	176,368	169,563	147,212
Netherlands	4,976	3,452	5,431	6,015	.....
Norway	307	432	1,087	(4) 1,139	.....
Portugal	8,683	5,560	(4) 8,252	1,107	.....
Roumania	(2) 88,679	.....	(10) 18,447	(10) 50,754	(3) 66,453
Spain	130,446	142,674	135,709	133,939	134,455
Sweden	7,907	6,864	9,003	9,509	10,688
Switzerland	3,314	4,556	7,095	3,891	3,781
United Kingdom ..	61,481	66,350	96,079	71,457	.....
British India (11)	350,736	282,069	370,421	280,485	376,884
Japan	25,274	34,739	32,923	29,800	(4) 28,055
Algeria	33,071	23,151	49,774	25,559	13,902
Egypt	34,000	29,834	32,555	30,137	27,246
Morocco .....	.....	.....	.....	.....	17,637
Tunis	6,063	6,963	8,451	7,349	4,766
Union of South Africa ..	4,620	4,790	8,833	8,983	6,630
Australia	84,943	152,432	114,734	75,146	(1) 47,104
New Zealand	7,885	5,083	6,888	6,568	(4) 4,100

- (1). Five year average except in a few cases where statistics for five years were not available. (2). Old boundaries.
 (3). New boundaries. (4) Unofficial estimate. (5) Bohemia and Moravia. (6). Moravia only. (7). Excludes territory occupied by the enemy. (8). Excludes Alsace Lorraine. (9). Prussia only.
 (10). Excluding Dobruja. (11). Including some native states.

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BARLEY.

PRODUCTION IN UNDERMENTIONED COUNTRIES, 1909-1920.

(000 omitted).

Country.	Average 1. 1909-1913.	1917.	1918.	1919.	1920.
	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.
United States ...	181,881	211,759	256,225	165,719	191,386
Canada	48,532	55,058	77,287	56,389	64,257
Argentina	3,626	2,165	10,279
Chile	3,924	4,840	3,304	3,977

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BARLEY,-CONT'D.

PRODUCTION IN UNDERMENTIONED COUNTRIES, 1909-1920.

(000 omitted).

Country.	Average 1. 1909-1913.	1917.	1918.	1919.	1920.
	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.
Uruguay	61	110	108	.....	73
Austria (2)	71,988	(3) 2,291	(3) 4,233	.....	.....
Hungary (2)	69,812	.....	.....	.....	(3) 21,744
Jugo-Slavia .....	.....	.....	.....	.....	17,912
Belgium	4,247	.....	.....	3,617	3,693
Bulgaria (2)	12,425	(4) 14,739	7,094	11,029	14,066
Czecho-Slovakia ..	.....	.....	.....	(5) 20,648	(6) 8,418
Denmark	22,589	17,881	21,465	24,600	.....
Finland	5,737	.....	.....	5,295	5,075
France (2)	46,489	(7) 37,265	(7) 27,475	22,964	(4) 35,399
Germany (2)	153,529	(8) 89,886	(8) 103,720	(9) 87,742	.....
Italy	10,104	7,422	9,186	8,327	6,081
Luxemburg .....	.....	154	136	.....	.....
Netherlands	3,270	2,573	2,176	2,688	.....
Norway	2,867	4,021	5,622	(4) 5,787	.....
Roumania	(2) 24,821	.....	(10) 4,993	11,797	.....
Poland (2)	27,150	.....	.....	(11) 29,441	.....
Spain	74,689	73,747	90,496	81,809	89,145
Sweden	14,592	12,263	12,947	12,892	11,437
United Kingdom ...	64,592	59,290	62,351	59,619	.....
British India	40,973	155,447	155,307	.....	.....
Japan	89,528	88,896	82,650	91,500	(4) 36,669
Korea .....	.....	.....	27,751	26,480	.....
Algeria	41,961	28,529	60,742	33,667	12,479
Egypt .....	.....	13,598	9,871	10,087	7,475
Morocco .....	.....	.....	.....	.....	30,313
Tunis	7,900	8,267	10,426	5,512	3,169
Union of South Africa ...	2,015	1,000	2,054	1,623	1,087
Australia	3,819	4,080	.....	.....	.....
New Zealand	1,402	738	569	711	.....

- (1). Five year average except in a few cases where statistics for five years were not available. (2). Old boundaries. (3). New boundaries. (4). Unofficial estimate. (5). Bohemia and Moravia only. (6). Moravia only. (7). Excludes territory occupied by the enemy. (8). Excludes Alsace Lorraine. (9). Not including ceded territory. (10). Includes Bessarabia but excludes Dobruja. (11). Includes Congress Poland, West Galicia, East Galicia and Posen.

RYE.

PRODUCTION IN UNDERMENTIONED COUNTRIES, 1909-1920.

(000 omitted).

Country.	Average 1. 1909-1913.	1917.	1918.	1919.	1920.
	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.
United States ...	34,916	62,933	91,041	88,478	77,893
Canada	2,096	3,857	8,504	10,207	12,915
Argentina	949	858

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RYE, -CONT'D.

PRODUCTION IN UNDERMENTIONED COUNTRIES; 1909-1920.

(000 omitted).

Country.	Average 1. 1909-1913.	1917.	1918.	1919.	1920.
	Bushels.	Bushels.	Bushels.	Bushels.	Bushels.
Chile	144	92	176	192	.....
Uruguay	1	1	1	1	.....
Austria (2)	112,752	(3) 10,922	(3) 10,604	.....	.....
Hungary	48,716	.....	.....	.....	18,278
Czecho-Slovakia .....	.....	.....	.....	32,734	(4) 7,291
Belgium	22,675	(5) 5,008	(5) 5,132	13,681	14,824
Bulgaria (3)	(2) 8,553	5,901	4,427	(6) 6,594	(6) 8,534
Denmark	18,098	8,870	12,726	14,900	.....
Finland	11,174	.....	.....	10,505	9,165
France (2)	48,647	(5) 24,768	(5) 28,935	28,736	(6) 33,174
Alsace Lorraine ..	3,476	.....	(5) 1,165	1,841	.....
Germany (2)	445,222	(7) 374,607	(7) 315,301	(7) 240,161	.....
Greece .....	.....	(8) 695	.....	1,081	.....
Italy	5,328	4,460	(5) 5,232	4,571	4,779
Luxemburg	651	292	422	.....	.....
Netherlands	16,422	11,958	13,022	14,057	.....
Norway	974	1,159	1,012	984	.....
Roumania	(2) 4,652	.....	(9) 1,694	(2) 3,430	.....
Spain	27,635	24,365	30,445	23,298	32,053
Sweden	23,859	14,080	19,794	23,074	26,365
Switzerland	1,783	1,463	1,850	1,748	1,696

- (1). Five year average except in a few cases where statistics for five years were not available. (2). Old boundaries. (3). New boundaries. (4) Moravia only. (5). Excluding invaded territory. (6). Unofficial estimate. (7). Excludes Alsace Lorraine. (8). Excludes Eastern Macedonia. (9). Includes Bessarabia but excludes Dobruja.

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LIVE STOCK.

Although statistics exist showing the number of live stock in the different nations of the world, the figures in many countries are not for uniform dates, relate to different years and even to different seasons of the same year. To make an accurate or even satisfactory summary of the numbers in the whole world in any given year or in any given season, is therefore, impossible. From the figures relative to the different countries in the following tables and pertaining to pre-war estimate it may be reasonably inferred what the normal numbers were before the war.

NUMBER OF LIVE STOCK IN SPECIFIED COUNTRIES.

CATTLE:

(000 omitted).

Country.	Pre-war Estimates.		Recent Estimate.	
	Date.	Number.	Date.	Number.
United States ...	Jan. 1, 1914	52,592	Jan. 1, 1920	68,232
Canada	June 30, 1914	6,037	June 30, 1919	10,084
Argentina	Jan. 1, 1914	25,867	1918 (1)	35,000
Uruguay	1908	8,193	1918	7,802

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LIVE STOCK, -CONT'D.

NUMBER OF LIVE STOCK IN SPECIFIED COUNTRIES.

CATTLE, -CONT'D.

(000 omitted).

Country.	Pre-war Estimate.		Recent Estimate.	
	Date.	Number.	Date.	Number.
Brazil	1913	30,705	Dec. 1918	(1) 37,500
Austria	Dec. 31, 1910	9,159		.....
Hungary	April 1913	6,045		.....
Belgium	Dec. 31, 1913	1,849		.....
Bulgaria	Dec. 31, 1910	1,603		.....
Denmark	July 15, 1914	2,463	July 15, 1919	2,188
Finland	1910	1,573	May 30, 1918	(1) 1,400
France (2)	Dec. 31, 1913	14,788	Dec. 31, 1919	12,374
Alsace Lorraine ...	Dec. 1, 1913	551	Dec. 2, 1919	415
Germany (2)	Dec. 1, 1913	20,444	June 1, 1920	16,982
Italy	1914	6,646	April 7, 1918	(3) 6,186
Netherlands	June 1913	2,097	March 19, 1919	1,963
Norway	Sept. 30, 1914	1,146	June 20, 1918	1,038
Roumania	1911	2,667	Feb. 15, 1917	(1) 1,050
Russia (European) 4	1914	32,704		.....
Poland	1914	2,014		.....
Portugal	Oct. 6, 1908	703		.....
Serbia	Dec. 31, 1910	957		.....
Spain	1913	2,879	1917	3,233
Sweden	Dec. 31, 1913	2,721	June 1, 1919	2,551
Switzerland	April 21, 1911	1,443	April 19, 1920	(5) 960
United Kingdom ..	June, 1914	12,145	June 1919	12,491
British India (6) :	1914	125,042	1918	129,872
Japan	Dec. 31, 1913	1,389	Dec. 31, 1918	1,307
Chosen	Dec. 31, 1913	1,211	Dec. 31, 1916	1,353
Formosa (7)	Dec. 31, 1913	419	Dec. 31, 1917	377
Russia (Asiatic) 8	1914	17,334		.....
Union of South				
Africa ...	May 7, 1911	5,797	1919	(9) 5,575
Australia	Dec. 31, 1910	11,745	1919	11,040
New Zealand	April 1, 1911	2,020	1919	3,035

(1). Unofficial estimate. (2). Excludes Alsace Lorraine. (3). Exclusive of animals in army service. (4). Excluding Poland. (5). Cantons of Bern and Waadt excluded. (6). Includes young buffaloes. (7). Includes buffaloes and zebras. (8). 33 governments of the Caucasus, Central Asia and Siberia. (9). Excluding Native Locations, Reserves, etc.

SHEEP:

NUMBER OF LIVE STOCK IN SPECIFIED COUNTRIES.

(000 omitted).

Country.	Pre-war Estimate.		Recent Estimate.	
	Date.	Number.	Date.	Number.
United States	Jan. 1, 1914	49,719	Jan. 1, 1920	48,615
Canada	June 30, 1914	2,058	June 30, 1919	3,422
Argentina	Dec. 31, 1913	(1) 81,485	1918	(2) 83,000
Uruguay	1908	26,286	1918	(2) 11,473
Brazil	1913	10,653	1918	(2) 7,000

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LIVE STOCK,-CONT'D.

SHEEP,-CONT'D.

NUMBER OF LIVE STOCK IN SPECIFIED COUNTRIES.
(000 omitted).

Country,	Pre-war Estimate.		Recent Estimate.	
	Date.	Number.	Date.	Number.
Austria	Dec. 31, 1910:	2,428		
Hungary	April 1913 :	6,560		
Belgium	Dec. 31, 1910:	185		
Bulgaria	Dec. 31, 1910:	8,632		
Denmark	July 15, 1914 :	515	July 15, 1919 :	509
Finland	1910 :	1,309	May 30, 1918 :	(2) 1,125
France (3)	Dec. 31, 1913:	16,213	Dec. 31, 1919 :	8,991
Alsace Lorraine .	Dec. 1, 1913 :	44	Dec. 2, 1919 :	31
Germany (3)	Dec. 1, 1913 :	5,476	June 1, 1920 :	7,021
Italy	Mar. 10, 1908:	11,163	April 7, 1918 :	11,752
Netherlands	June 1913 :	842	March 1919 :	437
Norway	Sept. 30, 1914:	1,327	June 20, 1919 :	1,216
Roumania	1911 :	5,269	Feb. 15, 1917 :	1,655
Russia (European) 4:	1914 :	37,240		
Poland	1914 :	565		
Portugal	Oct. 1906 :	3,173		
Serbia	Dec. 31, 1910:	3,819		
Spain	1913 :	16,441	1918 :	(2) 18,601
Sweden	Dec. 31, 1913:	988	June 1, 1919 :	1,564
Switzerland	April, 21, 1911:	161	April 19, 1920 :	(5) 168
United Kingdom ..	June 1913 :	27,552	June 1919 :	25,119
British India ...	1914 :	23,092	1918 :	22,895
Japan	Dec. 31, 1913:	3	Dec. 31, 1918 :	5
Chosen	Dec. 31, 1913:	(6)	Dec. 31, 1916 :	(6)
Formosa	Dec. 31, 1913:	(6)	Dec. 31, 1917 :	(6)
Russia (Asiatic) (7):	1914 :	34,468		
Union of South				
Africa	Dec. 31, 1913:	35,711	1919 :	28,492
Australia	Dec. 31, 1910:	92,047	June 30, 1920 :	78,000
New Zealand	April 30, 1911:	23,996	April 30, 1919 :	25,829

(1). The census of June 1, 1914 shows 43,225,000 sheep excluding lambs with a preliminary estimate for Dec. 31, 1914 of 56,000,000 including lambs. The final official estimate for Dec. 31, 1914 is 43,682,000 while the official estimate of Dec. 31, 1913 placed the number of sheep including lambs at 81,485,000.

(2). Unofficial estimate. (3). Excludes Alsace Lorraine.

(4). Excludes Poland. (5). Cantons of Bern and Waadt Excluded.

(6). Less than 500. (7). 33 governments of the Caucasus, Central Asia and Siberia.

SWINE:

NUMBER OF LIVE STOCK IN SPECIFIED COUNTRIES.

(000 omitted).

Country,	Pre-war Estimate.		Recent Estimate.	
	Date.	Number.	Date.	Number.
United States	Jan. 1, 1914 :	58,933	Jan. 1, 1920 :	72,909
Canada	June 30, 1914 :	3,434	June 30, 1919 :	4,040
Argentina	June 1, 1914 :	2,901	1915 :	(1) 3,197
Uruguay	1908 :	180		
Brazil	1913 :	18,399	1916 :	17,329

Journal of Management Studies, 19(6), 709-728.

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LIVE STOCK, -CONT'D.

SWINE, -CONT'D.

NUMBER OF LIVE STOCK IN SPECIFIED COUNTRIES.

(000 omitted).

Country.	Pre-war Estimate.		Recent Estimate.	
	Date.	Number.	Date.	Number.
Austria	Dec. 31, 1910	6,432		
Hungary	April 1913	6,825		
Belgium	Dec. 31, 1913	1,412		
Bulgaria	Dec. 31, 1910	527		
Denmark	July 15, 1914	2,497	July 15, 1919	716
Finland	1910	418	May 30, 1918	(1) 227
France (2)	Dec. 31, 1913	7,048	Dec. 31, 1919	4,081
Alsace Lorraine ...	Dec. 1, 1913	493	Dec. 2, 1919	309
Germany (2)	Dec. 1, 1913	25,166	June 1, 1920	11,657
Italy	1914	2,722	April 7, 1918	(3) 2,337
Netherlands	June 1913	1,350	March 1919	450
Norway	Sept. 30, 1914	228	June 20, 1918	209
Roumania	April 1911	1,021	Feb. 15, 1917	(1) 371
Russia (European) (4)	1914	11,581		
Poland	1914	452		
Portugal	Oct. 1916	1,111		
Serbia	Dec. 31, 1910	866		
Spain	1913	2,710	1918	(1) 4,997
Sweden	Dec. 31, 1913	988	June 1, 1919	717
Switzerland	April 21, 1911	750	April 1920	(5) 372
United Kingdom	June 1914	3,940	June 1919	2,925
Japan	Dec. 31, 1913	310	Dec. 31, 1918	398
Chosen	Dec. 31, 1913	761	Dec. 31, 1916	780
Formosa	Dec. 31, 1913	1,313	Dec. 31, 1917	1,273
Russia (Asiatic) (6)	1914	2,962		
Union of South Africa	May 7, 1911	1,082	1919	(7) 724
Australia	Dec. 31, 1910	1,026	1918	(8) 1,111
New Zealand	April 1, 1911	349	1919	235

(1). Unofficial estimate. (2) Excluding Alsace Lorraine, (3) Excluding animals in army service, (4). Excluding Poland. (5). Cantons of Bern and Waadt Excluded. (6). 33 governments of the Caucasus, Central Asia and Siberia. (7). Excluding Native Locations, Reserves, etc. (8). Excluding northern territory.

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